

Figure 1: Comparison of proteolytic digested modified and non-modified T1249. Digestion with endoproteinase Lys-C and subsequent separation with reversed phase HPLC. A) sample 20 kDa PEG-Butanoaldehyde-T1249; B) sample T1249. UV absorbance at 215 nm.

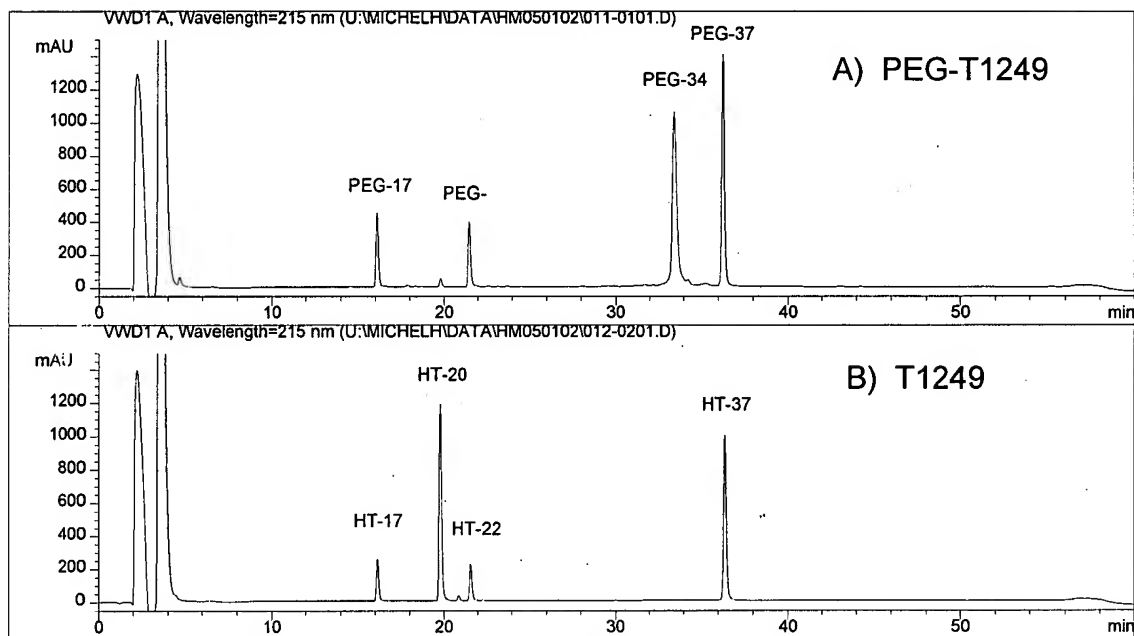
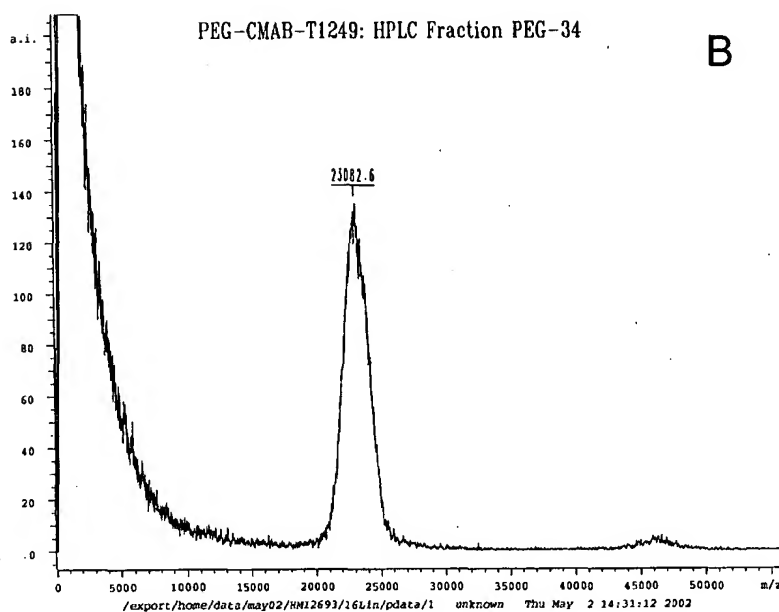
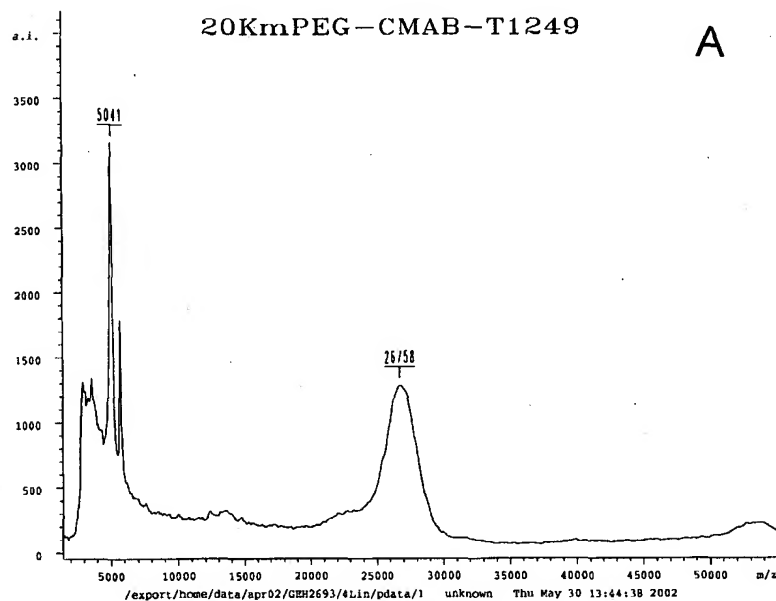


Figure 2: Matrix assisted laser desorption ionization time of flight (MALDI TOF) mass spectrum of the collected HPLC fraction PEG-34 (Figure 1). Spectra were acquired in linear mode with trans-3-indoleacrylic acid as the matrix. Molecular weight in Da.



The figure displays eight chromatograms arranged in a 4x2 grid. Each chromatogram shows detector response over time (0.0 to 15.0 minutes). The top row shows peaks for N, O, Q, E, H, A, R, Y, P, V, F, I, K, L. The bottom row shows peaks for N, O, Q, E, H, A, R, Y, P, V, F, I, K, L. The chromatograms are labeled with peak numbers 1 through 10.

Chromatogram	Peak Number	Approximate Retention Time (min)
Top Left	1	0.5
Top Left	2	1.5
Top Left	3	2.5
Top Left	4	3.5
Top Left	5	4.5
Top Left	6	5.5
Top Left	7	6.5
Top Left	8	7.5
Top Left	9	8.5
Top Left	10	9.5
Top Left	11	10.5
Top Left	12	11.5
Top Left	13	12.5
Top Left	14	13.5
Top Left	15	14.5
Top Left	16	15.0
Top Left	17	15.5
Top Left	18	16.0
Top Left	19	16.5
Top Left	20	17.0
Top Left	21	17.5
Top Left	22	18.0
Top Left	23	18.5
Top Left	24	19.0
Top Left	25	19.5
Top Left	26	20.0
Top Left	27	20.5
Top Left	28	21.0
Top Left	29	21.5
Top Left	30	22.0
Top Left	31	22.5
Top Left	32	23.0
Top Left	33	23.5
Top Left	34	24.0
Top Left	35	24.5
Top Left	36	25.0
Top Left	37	25.5
Top Left	38	26.0
Top Left	39	26.5
Top Left	40	27.0
Top Left	41	27.5
Top Left	42	28.0
Top Left	43	28.5
Top Left	44	29.0
Top Left	45	29.5
Top Left	46	30.0
Top Left	47	30.5
Top Left	48	31.0
Top Left	49	31.5
Top Left	50	32.0
Top Left	51	32.5
Top Left	52	33.0
Top Left	53	33.5
Top Left	54	34.0
Top Left	55	34.5
Top Left	56	35.0
Top Left	57	35.5
Top Left	58	36.0
Top Left	59	36.5
Top Left	60	37.0
Top Left	61	37.5
Top Left	62	38.0
Top Left	63	38.5
Top Left	64	39.0
Top Left	65	39.5
Top Left	66	40.0
Top Left	67	40.5
Top Left	68	41.0
Top Left	69	41.5
Top Left	70	42.0
Top Left	71	42.5
Top Left	72	43.0
Top Left	73	43.5
Top Left	74	44.0
Top Left	75	44.5
Top Left	76	45.0
Top Left	77	45.5
Top Left	78	46.0
Top Left	79	46.5
Top Left	80	47.0
Top Left	81	47.5
Top Left	82	48.0
Top Left	83	48.5
Top Left	84	49.0
Top Left	85	49.5
Top Left	86	50.0
Top Left	87	50.5
Top Left	88	51.0
Top Left	89	51.5
Top Left	90	52.0
Top Left	91	52.5
Top Left	92	53.0
Top Left	93	53.5
Top Left	94	54.0
Top Left	95	54.5
Top Left	96	55.0
Top Left	97	55.5
Top Left	98	56.0
Top Left	99	56.5
Top Left	100	57.0
Top Left	101	57.5
Top Left	102	58.0
Top Left	103	58.5
Top Left	104	59.0
Top Left	105	59.5
Top Left	106	60.0
Top Left	107	60.5
Top Left	108	61.0
Top Left	109	61.5
Top Left	110	62.0
Top Left	111	62.5
Top Left	112	63.0
Top Left	113	63.5
Top Left	114	64.0
Top Left	115</	

Figure 4. Concentration-time profile of mPEG<sub>20K</sub>-CMAB-T1249 in rats after a single subcutaneous administration at 8 mg/kg.

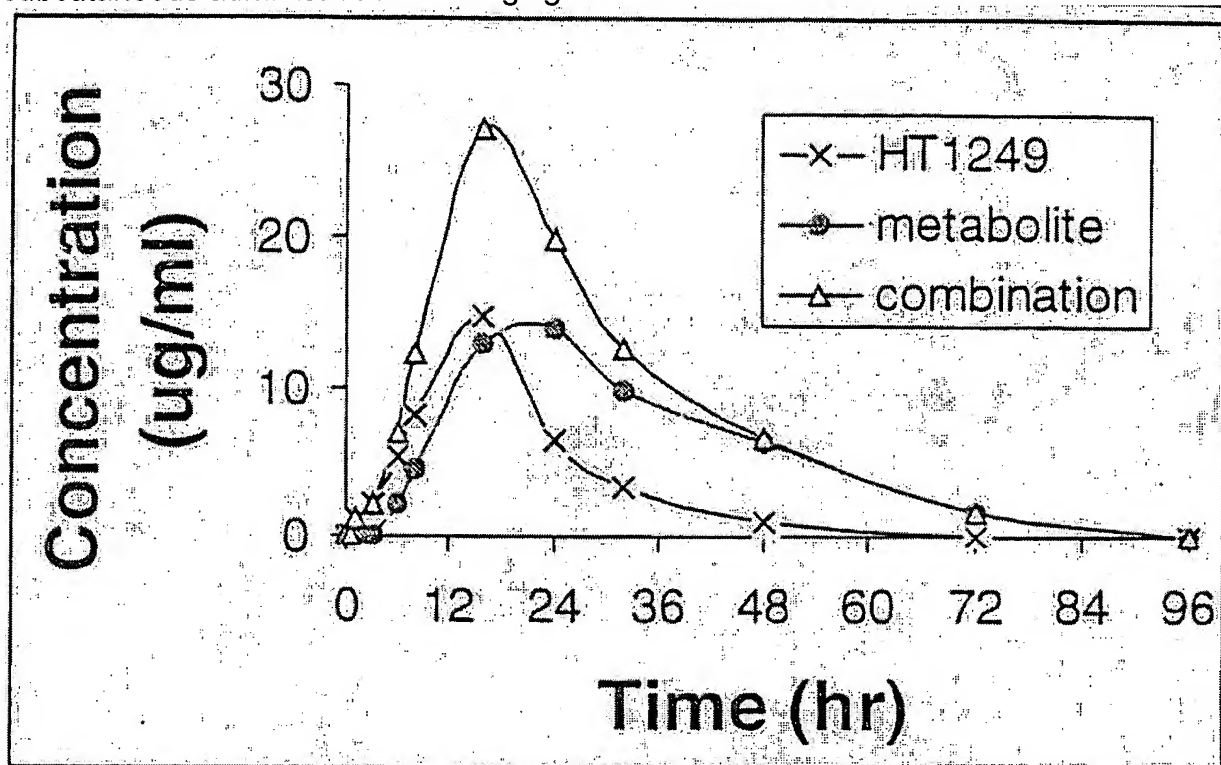


Figure 5. Plasma pharmacokinetics for T-1249 administered by subcutaneous or intravenous injection to rats.

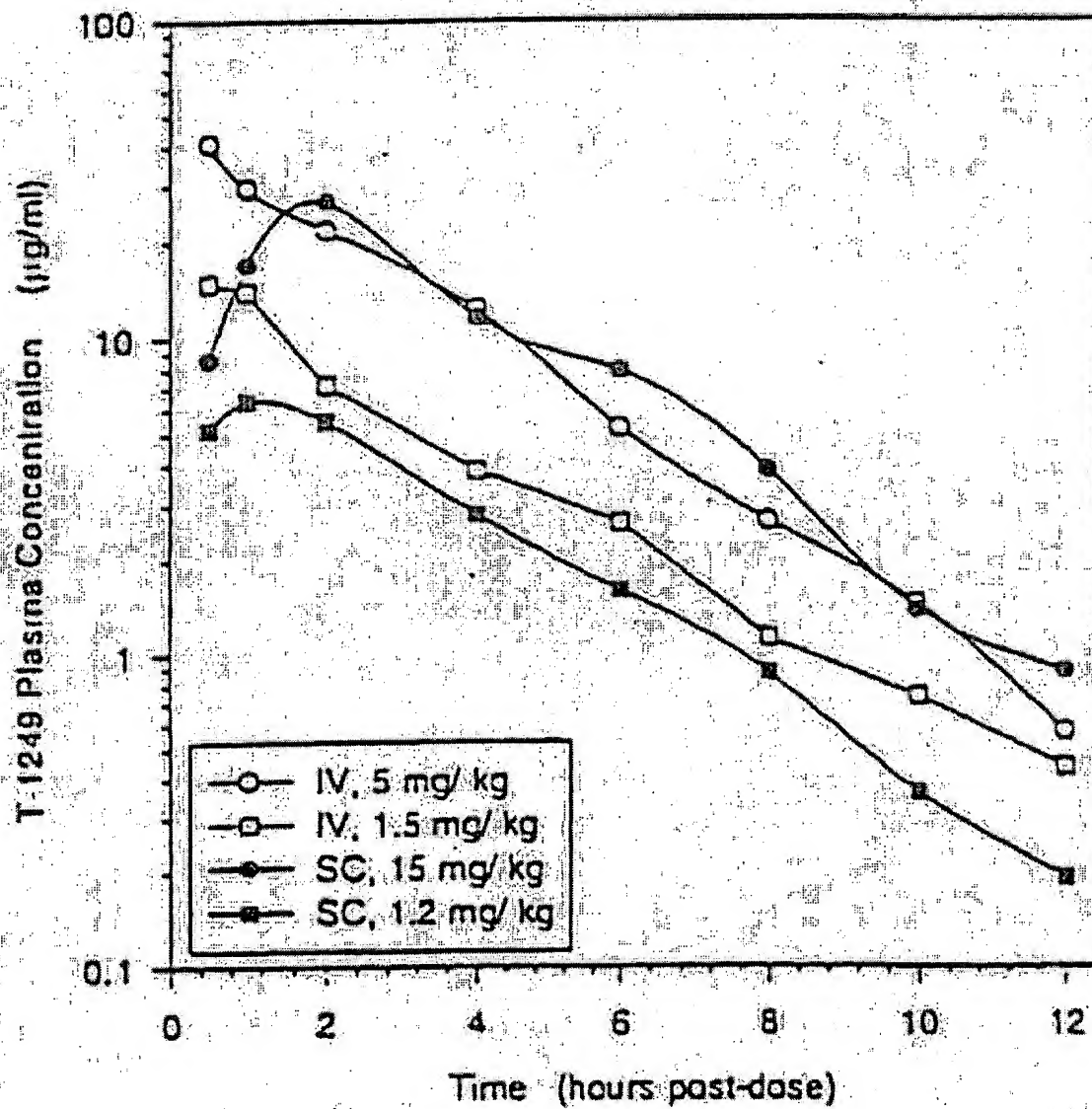


Figure 6.

